



## COLLEGE OF GRADUATE HEALTH SCIENCES

**ET/D Declaration of Authorship**

In accordance with the University of Tennessee Health Science Center [Honor Code](#) and the requirements for integrity and honesty laid out in the College of Graduate Health Sciences' [Electronic Thesis & Dissertation \(ET/D\) Learning Portal](#), I, Xizhi Guo, declare that this dissertation titled "Roles of  $\gamma\delta$  T Cells in Influenza Infections and Methods for TCR Expression and Characterization" and the work presented therein are my own. I confirm that:

- This work was done wholly or mainly while being a candidate for a terminal degree at the University of Tennessee Health Science Center.
- There is clear and full disclosure in the dissertation for any part that was previously submitted for a degree or any other qualification at this University or any other institution or that has been accepted for publication.
- Where I used the published or unpublished work of others, this is clearly attributed.
- Where I have quoted or paraphrased text or have reprinted or modified images, tables, or other data from the work of others, the source is always given, and quotation marks are used for text, following fair use guidelines. Except for such acknowledged instances, this thesis/dissertation is entirely my own work.
- I have acknowledged all other main sources of help (e.g., lab assistance, joint work on projects, consultations/discussions with colleagues/experts, funding).
- Where the dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

**Student Name:** Xizhi Guo

See digital reply with confirmation.

**Advisor Name:** Paul G. Thomas

See digital reply with confirmation.

**Declaration of Personal Contributions to Previously Published Articles  
with Several Authors Incorporated into the ET/D  
(This also includes in press and accepted articles.)**

Please provide below the Chapter number of the incorporated article(s), the List of References citation, and your significant contributions as first or second author, or indicate Not Applicable. If part of your accepted submission to the journal was a statement of author contributions, you may quote that and at the end indicate [As submitted and accepted by *Journal title*.]

If this declaration is not applicable, please indicate here:

Articles with several authors incorporated into my ET/D and my contributions to them:

- **Portions of Chapter 1**
- **Citation:** Guo, X.J. & Thomas, P.G. (2017). New fronts emerge in the influenza cytokine storm. *Semin Immunopathol* 39: 541. DOI: <https://doi.org/10.1007/s00281-017-0636-y>.
- **My significant contributions:** Writing – Original Draft as well as Review & Editing, Visualization.
  
- **Portions of Chapters 2 and 3**
- **Citation:** Guo X.Z., Dash P., Crawford J.C., Allen E.K., Zamora A.E., Boyd D.F., Duan S., Bajracharya R., Awad W.A., Apiwattanakul N., Vogel P., Kanneganti T.D., Thomas P.G. (2018). Lung  $\gamma\delta$  T cells mediate protective responses during neonatal influenza infection that are associated with type 2 immunity. *Immunity*. 49(3):531-544. DOI: <https://doi.org/10.1016/j.immuni.2018.07.011>.
- **My significant contributions:** Conceptualization, Methodology, Software, Validation, Formal Analysis, Investigation, Data Curation, Writing – Original Draft, Writing – Review & Editing, Visualization, Project Administration.
  
- **Portions of Chapters 2 and 4**
- **Citation:** Guo X.Z., Dash P., Calverley M., Tomchuck S., Dallas M.H., Thomas P.G. (2016). Rapid cloning, expression, and functional characterization of paired  $\alpha\beta$  and  $\gamma\delta$  T-cell receptor chains from single-cell analysis. *Mol Ther Methods Clin Dev*. 3:15054. DOI: <https://doi.org/10.1038/mtm.2015.54>.
- **My significant contributions:** Conceptualization, Methodology, Software, Validation, Formal Analysis, Investigation, Data Curation, Writing – Original Draft, Writing – Review & Editing, Visualization, Project Administration.

*Users can Collect posts into a printable, sortable format. Collections are a good way to organize posts for quick reading. A Collection must be created to tag posts. [More Help](#)*

Mar 29, 2019, 10:56 AM (3 days ago)